

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: SHINICHIROU HARASAWA, et al.

Serial No.:

Filed:

Title: INPUT MONITORING SYSTEM FOR OPTICAL
AMPLIFYING REPEATER

Examiner: K. NEGASHI

Group Art Unit: 2607

May 21, 1998

Assistant Commissioner for Patents
Washington, D. C. 20231

PRELIMINARY AMENDMENT

SIR:

Prior to the issuance of a first Office Action please amend the application as follows:

Please add the following new claims:

- 15. An optical amplifier comprising:
- an input terminal receiving an optical input signal;
 - an optical coupler dividing the optical input signal into a first optical signal and a second optical signal;
 - an optical filter operatively connected to the optical coupler and passing the optical input signal of the first optical signal;

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by Harasawa Day

Level of power, amplifier, ?
a detector operatively connected to the optical filter for detecting a level of the optical input signal; and

an optical fiber amplifier operatively connected to the optical coupler for amplifying the optical input signal of the second optical signal.- -

--16. An optical amplifier comprising:

an input terminal receiving an optical input signal;

an optical coupler dividing the optical input signal into a first optical signal and a second optical signal;

an optical filter operatively connected to the optical coupler and blocking an exciting light;

a detector operatively connected to the optical filter for detecting a level of the optical input signal; and

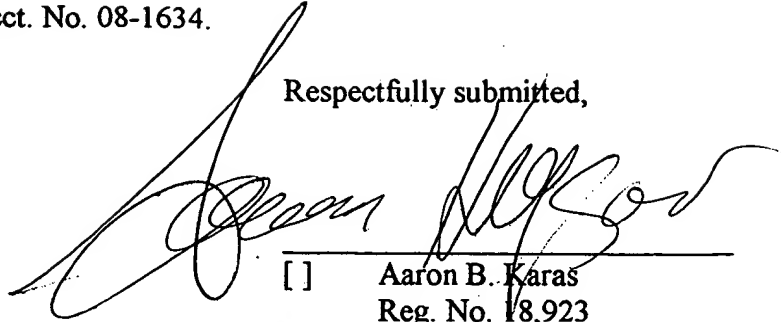
an optical fiber amplifier operatively connected to the optical coupler for amplifying the optical input signal of the second optical signal.- -

REMARKS

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Respectfully submitted,



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